

```

=> s GDNFR##
L1          204 GDNFR##

=> s l1 and (1990-2000/py)
  1 FILES SEARCHED...
L2          140 L1 AND (1990-2000/PY)

=> s l1 (20a) rat
L3          34 L1 (20A) RAT

=> s l3 and (1990-2000/py)
L4          21 L3 AND (1990-2000/PY)

=> duplicate remove
ENTER L# LIST OR (END):14
DUPLICATE PREFERENCE IS 'MEDLINE, BIOSIS, USPATFULL, PCTFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L4
L5          18 DUPLICATE REMOVE L4 (3 DUPLICATES REMOVED)

=> d 1-18

L5  ANSWER 1 OF 18 USPATFULL on STN
AN  2003:6968 USPATFULL
TI  GDNF receptor
IN  Klein, Robert D., South San Francisco, CA, United States
    Moore, Mark W., San Francisco, CA, United States
    Rosenthal, Arnon, Burlingham, CA, United States
    Ryan, Anne M., Millbrae, CA, United States
PA  Genentech, Inc., South San Francisco, CA, United States (U.S.
    corporation)
PI  US 6504007          B1    20030107
    WO 9733912 19970918
AI  US 1997-860370      19970606 (8)
    WO 1997-US4363      19970313
                           19970606 PCT 371 date
    <-- RLI  Continuation-in-part of Ser. No. US 1996-618236, filed on 14 Mar 1996,
           now abandoned Continuation-in-part of Ser. No. US 1996-615902, filed on
           14 Mar 1996, now abandoned
DT  Utility
FS  GRANTED
LN.CNT 4881
INCL  INCLM: 530/350.000
      INCLS: 930/010.000
NCL   NCLM: 530/350.000
      NCLS: 930/010.000
IC   [7]
      ICM: C07K014-71
EXF   536/23.1; 536/23.4; 536/23.5; 435/69.1; 435/325; 435/320.1; 530/350;
      930/10
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5  ANSWER 2 OF 18 USPATFULL on STN
AN  2000:18243 USPATFULL
TI  Neurturin receptor
IN  Klein, Robert D., Palo Alto, CA, United States
    Rosenthal, Arnon, Burlingame, CA, United States
    Hynes, Mary A., San Mateo, CA, United States
PA  Genentech, Inc., United States (U.S. corporation)
PI  US 6025157          20000215
    <-- AI  US 1997-957063      19971024 (8)
PRAI  US 1997-38839P      19970218 (60)
      US 1997-49818P      19970609 (60)
DT  Utility

```

FS Granted  
LN.CNT 5116  
INCL INCLM: 435/069.100  
INCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.100; 536/023.500  
NCL NCLM: 435/069.100  
NCLS: 435/320.100; 435/325.000; 536/023.100; 536/023.500  
IC [7]  
ICM: C12P021-06  
ICS: C12N015-00; C07H021-02; C07H021-04  
EXF 536/23.5; 536/23.1; 435/325; 435/320.1; 435/69.1; 800/8  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 18 USPATFULL on STN  
AN 1999:33829 USPATFULL  
TI Glial cell line-derived neurotrophic factor regulation of ureteric budding and growth  
IN Sariola, Hannu, Oravatie 15 FIN-00800, Helsinki, Finland  
Sainio, Kirsi, Maasalvantie 10 C 10 FIN-00710, Helsinki, Finland  
Suvanto, Petro, Neilikkatie 4a4 FIN-01300, Vantaa, Finland  
Arumae, Urmas, Niittykatu 3d53 FIN-02200, Helsinki, Finland  
Lindahl, Maria, Haukiverkko 17 as. 4 FIN-02170, Espoo, Finland  
Saarma, Mart, Kulosaaren Puistotie 36B 15, FIN-00570, Helsinki, Finland  
PI US 5882923 19990316 <--  
AI US 1997-884176 19970627 (8)  
DT Utility  
FS Granted  
LN.CNT 1414  
INCL INCLM: 435/325.000  
INCLS: 435/368.000; 435/369.000; 435/375.000; 435/384.000; 514/002.000  
NCL NCLM: 435/325.000  
NCLS: 435/368.000; 435/369.000; 435/375.000; 435/384.000; 514/002.000  
IC [6]  
ICM: C12N005-00  
ICS: C12N005-02; C12N005-08; A61K038-18  
EXF 514/2; 514/12; 514/22; 435/325; 435/384; 435/368; 435/369; 435/375  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 1999053028 PCTFULL ED 20020515  
TIEN PNS CELL LINES AND METHODS OF USE THEREFOR  
TIFR LIGNEES DE CELLULES DU SNP ET LEUR METHODE D'UTILISATION  
IN SAH, Dinah, W.;  
RAYMON, Heather, K.  
PA SIGNAL PHARMACEUTICALS, INC.  
LA English  
DT Patent  
PI WO 9953028 A1 19991021  
DS W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE  
ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD  
SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW GH GM KE  
LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH  
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG  
CI CM GA GN GW ML MR NE SN TD TG  
AI WO 1999-US8167 A 19990414  
PRAI 1998-09/060,409 19980414  
US 1998-09/060,409 19980414  
ICM C12N005-06  
ICS C12N005-10; C12N015-86; G01N033-50; A61K048-00; C12Q001-68

L5 ANSWER 5 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN  
AN 2000:145890 BIOSIS  
DN PREV200000145890

TI Distribution of GDNF and GDNFR alpha in rat cerebellum during postnatal development.  
AU Hafidi, A. [Reprint author]; Bing, R.; Dastugue, B. [Reprint author]; Hillman, D. E.  
CS Faculte de Medecine, INSERM U384, Clermont-Ferrand, 63001, France  
SO Society for Neuroscience Abstracts, (1999) Vol. 25, No. 1-2, pp. 1272. print.  
Meeting Info.: 29th Annual Meeting of the Society for Neuroscience. Miami Beach, Florida, USA. October 23-28, 1999. Society for Neuroscience.  
ISSN: 0190-5295.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 19 Apr 2000  
Last Updated on STN: 4 Jan 2002

L5 ANSWER 6 OF 18 MEDLINE on STN DUPLICATE 1  
AN 1999146858 MEDLINE  
DN PubMed ID: 10022966  
TI Expression of neurotrophins, GDNF, and their receptors in rat thyroid tissue.  
AU Belluardo N; Mudo G; Caniglia G; Corsaro M; Cheng Q; Frasca F; Belfiore A; Condorelli D F  
CS Institute of Human Physiology, Faculty of Medicine, University of Palermo, Palermo, Italy.  
SO Cell and tissue research, (1999 Mar) 295 (3) 467-75.  
Journal code: 0417625. ISSN: 0302-766X.  
CY GERMANY: Germany, Federal Republic of  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199904  
ED Entered STN: 19990426  
Last Updated on STN: 20000303  
Entered Medline: 19990413

L5 ANSWER 7 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 1998054213 PCTFULL ED 20020514  
TIEN NEUROTROPHIC FACTOR RECEPTORS  
TIFR RECEPTEURS DU FACTEUR NEUROTROPE  
IN FOX, Gary, M.;  
JING, Shuqian;  
WEN, Duanzhi  
PA AMGEN INC.  
LA English  
DT Patent  
PI WO 9854213 A2 19981203  
DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD  
SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES  
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN  
ML MR NE SN TD TG  
AI WO 1998-US8486 A 19980427  
PRAI 1997-08/866,354 19970530  
US 1997-08/866,354 19970530  
ICM C12N015-12  
ICS C07K014-71; A61K038-17; C07K016-28

L5 ANSWER 8 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 1998052591 PCTFULL ED 20020514  
TIEN GLIAL CELL LINE-DERIVED NEUROTROPHIC FACTOR RECEPTORS  
TIFR RECEPTEURS DU FACTEUR NEUROTROPHIQUE DERIVE DE LIGNES DE CELLULES

GLIALES

IN IBANEZ, Carlos, F.;  
ARUMAE, Urmas;  
SARIOLA, Hannu;  
SUVENTO, Petro;  
TRUPP, Miles;  
SAARMA, Mart

PA CEPHALON INC.

LA English

DT Patent

PI WO 9852591

A1 19981126

DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD  
SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES  
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN  
ML MR NE SN TD TG

AI WO 1998-US9056 A 19980504

PRAI 1997-8/861,990 19970522

US 1997-8/861,990 19970522

ICM A61K038-00

ICS A01N037:18; C07K001:00; C07K014:00; C07K017:00

L5 ANSWER 9 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 1998036072 PCTFULL ED 20020514

TIEN NEURTURIN RECEPTOR

TIFR RECEPTEUR DE LA NEURTURINE

IN KLEIN, Robert, D.;

ROSENTHAL, Arnon;

HYNES, Mary, A.

PA GENENTECH, INC.

LA English

DT Patent

PI WO 9836072

A1 19980820

DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD  
SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI  
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML  
MR NE SN TD TG

AI WO 1998-US3179 A 19980217

PRAI 1997-08/802,805 19970218

US 1997-08/802,805 19970218

US 1997-08/871,913 19970609

US 1997-08/871,913 19970609

US 1997-08/957,063 19971024

US 1997-08/957,063 19971024

ICM C12N015-12

ICS C07K014-71; C07K019-00; C07K016-46; G01N033-68; C07K001-22; C07K016-28;  
A61K038-17; A61K039-395; C12N015-85; C12N005-10; A01K067-027

L5 ANSWER 10 OF 18 MEDLINE on STN

DUPLICATE 2

AN 1998250814 MEDLINE

DN PubMed ID: 9582449

TI Up-regulation of GDNFR-alpha and c-ret mRNA in facial motor  
neurons following facial nerve injury in the rat.

AU Burazin T C; Gundlach A L

CS The University of Melbourne, Clinical Pharmacology and Therapeutics Unit,  
Department of Medicine, Austin and Repatriation Medical Centre,  
Heidelberg, Victoria 3084, Australia.

SO Brain research. Molecular brain research, (1998 Apr) 55 (2)  
331-6.

Journal code: 8908640. ISSN: 0169-328X.

CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199901  
ED Entered STN: 19990115  
Last Updated on STN: 20000303  
Entered Medline: 19990105

L5 ANSWER 11 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 1997049798 PCTFULL ED 20020514  
TIEN GLIAL CELL LINE-DERIVED NEUROTROPHIC FACTOR REGULATION OF URETERIC  
BUDDING AND GROWTH, AND OF ENTERIC INNERVATION  
TIFR REGULATION DU BOURGEONNEMENT URETERAL ET DE LA CROISSANCE URETERALE PAR  
LE FACTEUR NEUROTROPHIQUE DERIVE DES LIGNEES CELLULAIRES GLIALES, ET  
REGULATION DE L'INNERVATION ENTERIQUE  
IN SARIOLA, Hannu;  
SAINIO, Kirsi;  
SUVENTO, Petro;  
ARUMAE, Urmas;  
LINDAHL, Maria;  
SAARMA, Mart  
PA UNIVERSITY OF HELSINKI  
LA English  
DT Patent  
PI WO 9749798 A1 19971231  
DS W: CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
AI WO 1997-IB939 A 19970627  
PRAI 1996-60/021,964 19960627  
US 1996-60/021,964 19960627  
ICM C12N005-08  
ICS A61K038:18  
  
L5 ANSWER 12 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 1997040152 PCTFULL ED 20020514  
TIEN GLIAL CELL LINE-DERIVED NEUROTROPHIC FACTOR RECEPTOR  
TIFR RECEPTEUR DE GDNF  
IN FOX, Gary, M.;  
WEN, Duanzhi;  
JING, Shuqian  
PA AMGEN INC.  
LA English  
DT Patent  
PI WO 9740152 A1 19971030  
DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM  
TR TT UA UG UZ VN YU GH KE LS MW SD SZ UG AM AZ BY KG KZ  
MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  
AI WO 1997-US6281 A 19970415  
PRAI 1996-60/015,907 19960422  
US 1996-60/015,907 19960422  
US 1996-60/017,221 19960509  
US 1996-60/017,221 19960509  
US 1997-8/837,199 19970414  
US 1997-8/837,199 19970414  
ICM C12N015-12  
ICS C07K014:71; C07K016:28; A61K038:17; C12N001:21; C12N005:10; C12N005:16;  
G01N033:68; A61K009:48  
  
L5 ANSWER 13 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 1997039629 PCTFULL ED 20020514

TIEN VIRAL VECTORS INCLUDING POLYNUCLEOTIDES ENCODING NEUROTROPHIC FACTORS  
AND USES THEREFOR

TIFR VECTEURS VIRAUX INCLUANT DES POLYNUCLEOTIDES CODANT DES FACTEURS  
NEUROTROPHIQUES AINSI QUE LEUR UTILISATION

IN Bohn, Martha, C.;  
Choi-Lundberg, Derek;  
Lin, Qing;  
Figlewicz, Denise, A.;  
Chang, Yung-Nien;  
Chiang, Yawen, L.

PA GENETIC THERAPY, INC.;  
UNIVERSITY OF ROCHESTER;  
Bohn, Martha, C.;  
Choi-Lundberg, Derek;  
Lin, Qing;  
Figlewicz, Denise, A.;  
Chang, Yung-Nien;  
Chiang, Yawen, L.

LA English

DT Patent

PI WO 9739629 A1 19971030

DS W: AU CA JP NZ US AT BE CH DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE

AI WO 1997-US6560 A 19970424

PRAI 1996-8/636,548 19960425  
US 1996-8/636,548 19960425  
US 1997-8/796,278 19970207  
US 1997-8/796,278 19970207

ICM A01N043-04

ICS A01N063:00; A01N065:00; A61K031:70; A61K048:00; C12N015:00; C12N015:09;  
C12N015:63; C12N015:70; C12N015:74

L5 ANSWER 14 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN

AN 1997033912 PCTFULL ED 20020514

TIEN USES OF GDNF AND GDNF RECEPTOR

TIFR UTILISATIONS DE GDNF ET DE RECEPTEURS DE GDNF

IN Klein, Robert, D.;  
Moore, Mark, W.;  
Rosenthal, Arnon;  
Ryan, Anne, M.

PA GENENTECH, INC.;  
Klein, Robert, D.;  
Moore, Mark, W.;  
Rosenthal, Arnon;  
Ryan, Anne, M.

LA English

DT Patent

PI WO 9733912 A2 19970918

DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ  
TM TR TT UA UG US UZ VN GH KE LS MW SD SZ UG AM AZ BY KG  
KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

AI WO 1997-US4363 A 19970313

PRAI 1996-8/615,902 19960314  
US 1996-8/615,902 19960314  
US 1996-8/618,236 19960314  
US 1996-8/618,236 19960314

ICM C12N015-12

ICS C07K014:71; C07K016:28; C12N015:62; G01N033:68; A61K038:17; A01K067:027;  
C12N005:10; A61K039:00

L5 ANSWER 15 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on

STN  
AN 1997:529243 BIOSIS  
DN PREV199799828446  
TI Changes of GDNFR-alpha and GDNF mRNA levels in rat sciatic nerve after lesion.  
AU Zhong, J.; Birschmann, I.; Annies, M.; Tolle, A.; Heumann, Rolf  
CS Mol. Neurobiochem., Ruhr Univ. Bochum, D-44780 Bochum, Germany  
SO Society for Neuroscience Abstracts, (1997) Vol. 23, No. 1-2, pp. 1451.  
Meeting Info.: 27th Annual Meeting of the Society for Neuroscience. New Orleans, Louisiana, USA. October 25-30, 1997.  
ISSN: 0190-5295.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
Conference; (Meeting Poster)  
LA English  
ED Entered STN: 12 Dec 1997  
Last Updated on STN: 12 Dec 1997

L5 ANSWER 16 OF 18 MEDLINE on STN DUPLICATE 3  
AN 97402208 MEDLINE  
DN PubMed ID: 9259272  
TI Cloning, mRNA distribution and chromosomal localisation of the gene for glial cell line-derived neurotrophic factor receptor beta, a homologue to GDNFR-alpha.  
AU Suvanto P; Wartiovaara K; Lindahl M; Arumae U; Moshnyakov M; Horelli-Kuitunen N; Airaksinen M S; Palotie A; Sariola H; Saarma M  
CS Institute of Biotechnology, University of Helsinki, Finland.. petro.suvanto@helsinki.fi  
SO Human molecular genetics, (1997 Aug) 6 (8) 1267-73.  
Journal code: 9208958. ISSN: 0964-6906.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
OS GENBANK-AF003825; GENBANK-H05619; GENBANK-H12981; GENBANK-R02135; GENBANK-R02249; GENBANK-T03342; GENBANK-U59486; GENBANK-U93703; GENBANK-V93703; GENBANK-W73633; GENBANK-W73681; GENBANK-Z43761  
EM 199710  
ED Entered STN: 19971224  
Last Updated on STN: 20000303  
Entered Medline: 19971030

L5 ANSWER 17 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
AN 1997:470180 BIOSIS  
DN PREV199799769383  
TI Expression of mRNAs for Ret, GDNFR-alpha and NTNR-alpha in identified rat lumbar DRG cell populations.  
AU Michael, G. J. [Reprint author]; Klein, R. D.; Phillips, H. S.; Priestley, J. V. [Reprint author]  
CS Dep. Anat., Queen Mary Westfield Coll., London E1 4NS, UK  
SO Society for Neuroscience Abstracts, (1997) Vol. 23, No. 1-2, pp. 623.  
Meeting Info.: 27th Annual Meeting of the Society for Neuroscience, Part 1. New Orleans, Louisiana, USA. October 25-30, 1997.  
ISSN: 0190-5295.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
Conference; (Meeting Poster)  
LA English  
ED Entered STN: 4 Nov 1997  
Last Updated on STN: 4 Nov 1997

L5 ANSWER 18 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN

AN 1997:470176 BIOSIS  
DN PREV199799769379  
TI Localization of **GDNFR-alpha** and **c-ret** mRNAs in **rat**  
CNS: Co-ordinate up-regulation after facial nerve crush and resection?.  
AU Gundlach, A. L.; Burazin, T. C. D.  
CS Univ. Melbourne, Dep. Med., Austin Repatriation Med. Centre, Heidelberg,  
VIC 3084, Australia  
SO Society for Neuroscience Abstracts, (1997) Vol. 23, No. 1-2, pp. 622.  
Meeting Info.: 27th Annual Meeting of the Society for Neuroscience, Part  
1. New Orleans, Louisiana, USA. October 25-30, 1997.  
ISSN: 0190-5295.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
Conference; (Meeting Poster)  
LA English  
ED Entered STN: 4 Nov 1997  
Last Updated on STN: 4 Nov 1997